rocketfish mobile

USB Broadband Device

RF-BCD2

User Guide

USB Broadband Device

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Important safety instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Only use attachments/accessories specified by the manufacturer.
8. Unplug this apparatus during lightning storms or when unused for long periods of time.
9. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Additional safety precautions

- Do not apply adhesive labels to your USB broadband device. They might cause it to overheat and could alter the performance of the antenna.
- The USB connector should plug easily into your computer's Type A USB port. Forcing the connector into a port might damage the connector.
- Protect your USB broadband device from liquids, dust, and excessive heat.
- Do not leave your USB broadband device in a closed car.
- Store your USB broadband device in a safe place when not in use.

Wireless communications

Due to the transmission and reception properties of wireless communications, data can occasionally be lost or delayed. This can be due to the variation in radio signal strength that results from changes in the characteristics of the radio transmission path.

Although data loss is rare, the environment where you operate your USB broadband device may adversely affect communications.

Variations in radio signal strength are referred to as fading. Fading is caused by several different factors including signal reflection, the ionosphere, and interference from other radio channels.

Best Buy, Inc. or its partners will not be held responsible for damages of any kind resulting from the delays or errors in data transmitted or received with your USB broadband device, or failure of the dongle to transmit or receive such data.

Safety hazards

Do not operate your device in an environment that may be susceptible to radio interference resulting in danger specifically;

Areas where prohibited by the law

Follow any special rules and regulations and obey all signs and notices. Always turn off the host device and remove the USB broadband device from the USB port when instructed to do so, or when you suspect that it may cause interference or danger.

Where explosive atmospheres may be present

Do not operate your USB broadband device in any area where a potentially explosive atmosphere may exist. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Be aware and comply with all signs and instructions.

You are advised not to operate your USB broadband device while at a refueling point or service station.

You are reminded to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. Potential locations can include gas stations, below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Near medical and life support equipment

Do not operate your USB broadband device around medical equipment, life support equipment, or near any equipment that may be susceptible to any form of radio interference. In such areas, the host communications device must be turned off. The modem may transmit signals that could interfere with this equipment.

On an aircraft, either on the ground or airborne

In addition to FAA requirements, many airline regulations state that you must suspend wireless operations before boarding an airplane. Ensure that the host device is turned off and your USB broadband device is removed from the USB port prior to boarding aircraft in order to comply with these regulations. Your USB broadband device can transmit signals that could interfere with various onboard systems and controls.

While operating a vehicle

The driver or operator of any vehicle should not operate a wireless data device while in control of a vehicle. Doing so will detract from the driver's control and operation of that vehicle. In some countries, operating such communications devices while in control of a vehicle is an offense.

Introduction

Congratulations on your purchase of the RF-BCD2 USB Broadband Device. This device represents the state of the art in wireless communications design and is designed for reliable and trouble-free performance.

Features

- 3G Internet On-the-Go
- Adds mobile broadband connectivity to any PC
- Lightweight and portable
- Plug and Play
- microSD memory card slot
- Pre-installed software

Package contents

- USB broadband device
- USB flex cable
- Key chain
- *User Guide*
- *Quick Setup Guide*

Best Buy Connect

Welcome to Best Buy Connect. We offer flexible mobile broadband options that let you connect to the Internet from practically anywhere in the US. Using Best Buy Connect's mobile broadband service, you can browse the Internet, access files and send e-mail when you are on the go. We'll activate your service and keep you connected with personal help and specialized support.

To access your online account log on to https://www.bestbuyconnect.com or click **Manage My Account** in the *Connection Manager* application.

Components

#	Item	Description
1	LED status indicator	Indicates current power and connection status. For more information, see "LED status indicator" on page 8.
2	USB connector	Plug into a USB port on a PC.
3	Protective cap	Cover the USB connector to protect it when you are not using your USB broadband device.

#	Item	Description
4	microSD memory card slot	Insert a microSD memory card (not included) in this slot to copy and transfer files. For more information, see "Inserting or removing a microSD™ memory card" on page 11 and "Using a microSD memory card" on page 12.
5	Key chain hook	Attach the key chain to this hook.
6	External antenna connector	Connect an external antenna (not included) to this connector. For more information, see "Connecting an external antenna" on page 14.

LED status indicator

LED color	LED behavior	Description
None	None	USB broadband device is not receiving power.
Green	Solid	USB broadband device has power but is not sending or receiving.
	Slow blinking	USB broadband device is searching for a network.
	Intermittent blinking	USB broadband device is sending or receiving data. The blinking speed depends on the data transmission rate.
Red	Solid	No service.
Amber	Solid	An error has occurred. You need to reset your USB broadband device by unplugging it from the USB port and plugging it back in.

System requirements

- Windows® 7, Windows Vista®, Windows® XP, or MAC OS™ 10.4, 10.5, 10.6
- A PDF reader program
- Internet browser software (for example, Internet Explorer, Safari, Firefox, or Chrome)
- An available USB port

Using your USB broadband device

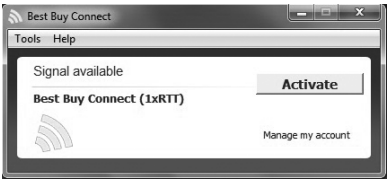
Setting up the Connection Manager software

To set up the Best Buy Connect software:

1. Log on to your PC as an administrator.
2. Plug your USB broadband device into a USB port on your PC.
3. In Windows: Run **setup.exe** to install the *Best Buy Connect* software. After installation, you may need to restart your PC.

   OR

   In MAC OS: Open **BestBuyConnect** icon, then double click the **MAC Installer** to begin software installation.



4. Click **Activate**, then follow the on-screen instructions to select your service plan.

Connecting and disconnecting from the network

To connect and disconnect from the network:

1. Plug your USB broadband device into a USB port on your computer.
2. Double-click the Best Buy Connect desktop icon.

3. Click **Connect**.

   Note: *If the device status says* ***No Device Detected****, unplug your USB broadband device and plug it in again.*
4. When you have finished with your Internet session, click **Disconnect**, then unplug your USB broadband device.

Daily use

After your USB broadband device is set up and the software is installed, daily use is easy.

- On most computers your USB broadband device's label faces up.
- Your USB broadband device has power when you connect it to your PC. However, it does not automatically connect to the Internet.
- When you plug your USB broadband device into a PC, the LED indicator lights up.
- If sound effects are enabled on the computer, the computer might beep.
- The *Best Buy Connect* software opens automatically, unless the auto-launch feature is disabled.

- When you are finished using the device, use the program to disconnect from the network.
- When you are disconnected from the network, exit the program and eject the device before removing it from your PC. You can also remove the device after your PC is shut down.

Inserting or removing a microSD™ memory card

Your USB broadband device has a microSD memory card slot that is hot-swappable. You can insert or remove the memory card whether your USB broadband device is connected to a PC or not.

Cautions:

Do not force the microSD memory card into the slot. You may damage the card or the slot.

Do not remove the card while data is being transferred. You may corrupt or lose the data.

To insert or remove a microSD memory card:

1 If this is the first time you are inserting a memory card, remove the plastic insert in the memory card slot by gently pressing in on the blank. When the blank pops out slightly, pull the blank from the slot.

2 Gently insert a microSD memory card into the slot with the gold contact points facing toward the slot. Press in on the card until it clicks into place.

3 To remove the microSD memory card, gently press in on the card until it pops out, then pull the card from the slot.

Note: *Store memory cards in a dry, safe place.*

Using a microSD memory card

An inserted microSD memory card works like any USB flash drive.

To use a microSD memory card:

1 Insert a microSD memory card into the card slot. See "Inserting or removing a microSD™ memory card" on page 11.

2 Plug your USB broadband device into a USB port on your PC. If this is the first time you have connected your USB broadband device with a memory card inserted, your PC automatically detects the new hardware, and the unplug/eject icon appears on the computer taskbar. The microSD memory card appears in *My Computer* or *Computer* as a drive letter.

3 Copy files to or from the microSD memory card in the same way you copy files from any drive.

Attaching the key chain

To attach the key chain:

1. Place the protective cap on the USB connector on your USB broadband device.
2. Pinch the looped thread on the key chain and slide it through the key chain slots on the cap and your USB broadband device.

3. Insert the other end of the key chain through the looped thread, then pull to tighten.

Connecting an external antenna

An external antenna (not included) may improve reception in outdoor environments. The antenna connector type is a SMK-TS9.

To connect an external antenna:

1. Locate the external antenna connector. See "Components" on page 7.
2. Remove the protective cap and store it in a safe place. When you are not using an external antenna, replace the cap to protect the connector from debris or damage.
3. Plug an external antenna (not included) into the antenna connector.

Troubleshooting

Problem	Solution
Cannot connect to the network.	• System resources required by your USB broadband device are being used by other devices. • Network coverage is not available (either because you are outside the coverage area or because of an account or network problem).
Cannot reboot PC when the USB broadband device is connected. Screen is blank or error message appears.	• Remove your USB broadband device and reboot your PC. Your USB broadband device contains internal memory which behaves like a CD. Some PCs, depending on the system BIOS settings, may try to reboot from the CD before the hard drive. The PC may show a black screen with a cursor or an error message about a non-bootable disc. This behavior is similar when using any non-bootable CD in your CD drive.
No Device Detected message appears when the Best Buy Connect program opens.	• Your USB broadband device is not correctly plugged into the PC. Close the Best Buy Connect program, unplug your USB broadband device, then reboot the PC. Open the Best Buy Connect program, then plug your dongle in again.

Problem	Solution
Searching for network message displays continuously when running the *Best Buy Connect* program.	• You may be out of your network coverage area.
Cannot browse the Web.	Check your browser settings. The following steps are for Internet Explorer. Other browsers have similar functions. 1. Start Internet Explorer. 2. Click the **Tools** menu, then click **Internet Options**. 3. Click **Connections**. 4. Under **Dial-up and Virtual Private Network settings**, double-click the name of your connection (for example, 3G Connection). This field name varies, depending on your network type. 5. Click **Settings** to check your username and password. 6. If you are using a proxy server, select the appropriate boxes. 7. Click **OK** twice to finish.

Specifications

Specifications are subject to change without notice.

Approvals	FCC (North America); CDG
Weight	0.67 oz (19 g)
Dimensions	2.24 × 0.98 × 0.47 in. (57 × 25 × 12 mm)
Wireless network	CDMA 1X/EV-DO
Chip set QUALCOMM™	MDM6085
Interface type	Type A USB Port
Technology	CDMA Rev A, Rev 0, 1XRTT
Band designation	800/1900 MHz
Transmit band	824.7-848.31 MHz / 1851.25-1908.75 MHz
Receive band	869.7-893.31 MHz / 1931.25-1988.75 MHz
Operating temperature	32° to 113° F (0° to +45° C)
Storage temperature	−4°to 149° F (−20° C to +65° C)
Relative humidity	5% to 90% over operating temperature
Drop	3.3 ft. (1 m) drop, no damage/fully operational
Vibration stability	5 Hz to 500 Hz, 0.1 octave/second

Legal notices

Federal Communications Commission Notice (FCC -- United States)

Electronic devices, including computers and wireless modems, generate RF energy incidental to their intended function and are therefore subject to FCC rules and regulations.

This equipment has been tested to, and found to be within the acceptable limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment. This equipment generates radio frequency energy and is designed for use in accordance with the manufacturer's user manual. However, there is no guarantee that interference will not occur in any particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/television technician for help

This device complies with Part 15 of the Federal Communications Commission (FCC) Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.

2. This device must accept any interference received, including interference that may cause undesired operation.

WARNING: Do not attempt to service the wireless communication device yourself. Such action may void the warranty. The USB Modem is factory tuned. No customer calibration or tuning is required. Contact Best Buy Connect Technical Support for information about servicing your wireless communication device.

FCC CAUTION: Any changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

MODIFICATIONS: The FCC requires that you be notified that any changes or modifications made to this device that are not expressly approved by Best Buy Connect may void your authority to operate the equipment.

This USB modem is approved for use in normal size notebook computers only (typically with 12" or larger display screens). To comply with FCC RF exposure requirements, this modem should not be used in configurations that cannot maintain at least 11 mm (approximately 0.43" or 7/16") from users and bystanders; for example, in certain notebook and tablet computers and configurations where the USB connectors are unable to provide or ensure the necessary separation is available between the modem and its users to satisfy compliance.

RF Exposure/Specific Absorption Rate (SAR) Information

This product has been evaluated for SAR and meets the FCC Guidelines for exposure to radio waves.

FCC Equipment Authorization ID: PKRNVWMC760

Your wireless modem is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless devices including mobile USB Modems and wireless modems uses a unit of measurement known as the Specific Absorption Rate, or SAR. Tests for SAR are conducted using standard operating positions reviewed by the FCC with the device under test transmitting at its highest certified power level in all frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the USB Modem or modem while operating can be well below the maximum value. This is because the USB Modem is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before this device is made available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (for example, at the ear or worn on the body) as required by the FCC for each model.

The FCC has granted an Equipment Authorization for this wireless Modem with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The highest SAR value for this Modem when tested for compliance against FCC standards was 1.53 W/KG User-Lap position.

Cellular Service Agreement

The USB Broadband Device uses a wireless digital service that is furnished by Best Buy Connect, a mobile virtual network operator ("MVNO"). The MVNO disclaims all liability of any nature to the customer and any third party, whether direct, indirect, incidental or consequential, arising out of the customer's use of the USB Broadband Device, and customer agrees that customer shall have no claims against the MVNO of any kind with respect thereto.

One-year limited warranty

Rocketfish Products ("Rocketfish") warrants to you, the original purchaser of this new **RF-BCD2** ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for one (1) year from the purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Rocketfish brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Rocketfish during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

How long does the coverage last?

The Warranty Period lasts for one year (365 days), beginning on the date you purchased the Product. The purchase date is printed on the receipt you received with the product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Rocketfish repair center or store personnel, Rocketfish will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Rocketfish and are not returned to you. If service of Products and parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Rocketfish Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the Product in the United States, Canada, and Mexico.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product, including the antenna

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Rocketfish to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

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Contact Rocketfish:

For customer service please call 1-800-620-2790
www.rocketfishproducts.com

Best Buy Connect Customer Care
(866) 652-4141
BestBuyConnect@response.bestbuy.com
https://www.BestBuyConnect.com

Distributed by Best Buy Purchasing, LLC
7601 Penn Avenue South, Richfield, Minnesota, U.S.A. 55423-3645

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